AW 250E2 sileo Axial fan

Axial wall fan, Item currently not reliably available
Item number: 37404
Variant: 230V 1~ 50Hz

- Speed controllable via voltage reduction or, with 400V version, also 2-stage operation possible via D/Y switching
- Contact protection grille on the inlet
- Reliable and maintenance-free
- Can be installed in any position
- Electrical connection via terminal box, permanently mounted on motor
- For 1~ fans, capacitor included in terminal box

Axial fans of the AW sileo series have a bionically designed blade geometry and are driven by external rotor motors. AW fans have a square wall ring plate made of galvanised sheet steel. The black painted axial impellers are made of coated steel. Impeller dynamically balanced in 2 planes according to DIN ISO 1940 part 1, quality class G6.3. For motor protection, the fans are equipped with thermostatic switches with lead-out cables for connection to a motor protection device, e.g. S-ET. Motor cooling through arrangement of the motor within the air flow.

Technical parameters

Nominal data		
Voltage (nominal)	230	V
Frequency	50	Hz
Phases	1~	
Motor circuit connection	D	
Input power	148	W
Input current	0.647	A
Impeller speed	2,289	rpm
Air flow	max 1,786	m³/h
Capacitance of capacitor	3	µF
Temperature of transported air	max 65	°C
Max temperature of transported air, when speed controlled	65	°C

Sound data		
Sound pressure level at 1m	66	dB(A)

Protection/Classification		
Enclosure class, motor	IP44	
Insulation class	B	

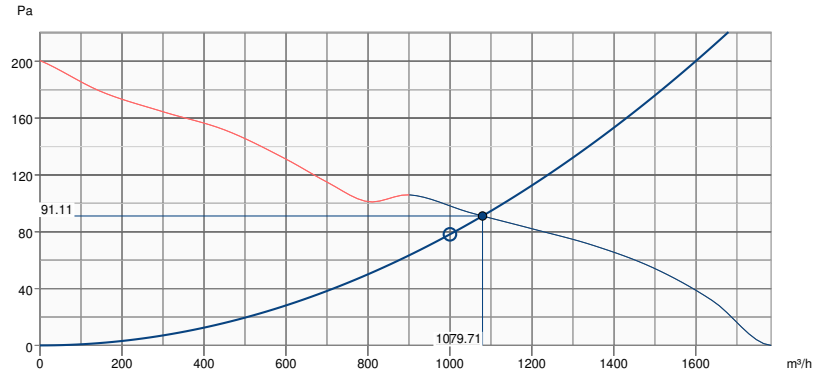
Data according to ErP		
ErP ready	Not ErP relevant	

Dimensions and weights		
Weight	4	kg

Others	
Motor type	AC

Performance

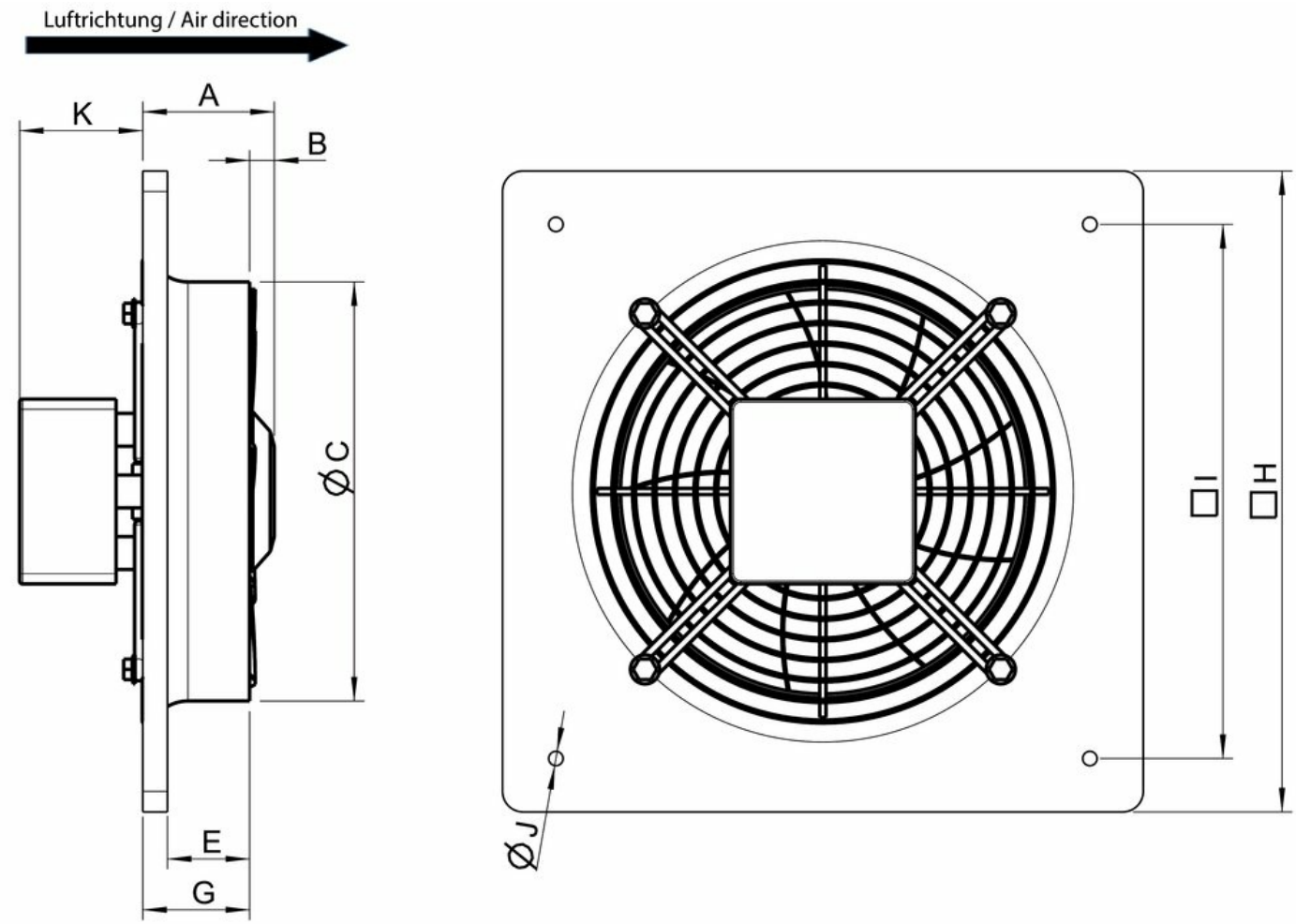
Performance curve



Hydraulic data	
Required air flow	1000 m³/h
Required static pressure	78 Pa
Working air flow	1080 m³/h
Working static pressure	91 Pa
Air density	1.204 kg/m³
Power	147.6 W
Fan control - RPM	2294 rpm
Current	0.60 A
SFP	0.492 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	39	62	68	71	70	72	67	58	77
Outlet	dB(A)	40	63	69	72	71	73	68	59	78

Dimension

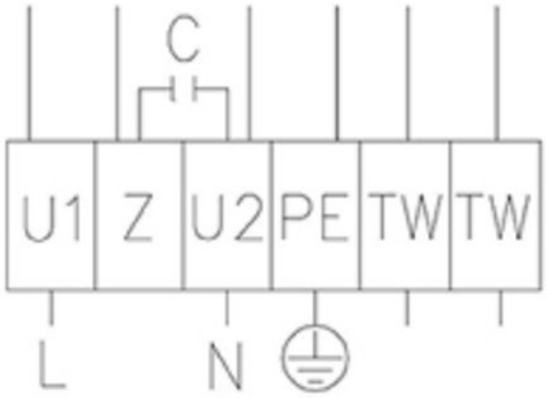


	A	B	øC	E	G	□H	□I	øJ	K
AW 250E2 sileo	73	17	260	51	57	370	320	7	65

Wiring

Einphasen–Wechselstrommotor mit Betriebskondensator

Singlephase AC motor with capacitor



U_1 =blau/blue
Z =braun/brown
U_2 =schwarz/black
PE =grün/gelb
green/yellow

Accessories

- AWE-SK Motorprotection 2A/230V (5138)
- REE 1 Speed control (5314)
- REV-5POL/05-7,5kW R/Y (33979)
- VK-25 Louvre shutter (5640)
- AW 250E2-C (281423)
- Motor protect. switch S-ET 10 (161199)
- REU 1.5 Speed control (5004)
- RTRE 1,5 Speed control (5008)
- VK-30 Louvre shutter (87688)

Documents

- IMO - 37404 - AW 250E2 SILEO.PDF
- MANUAL_AW__AR_EBM_EN_003-MIN.PDF
- DWG - 37404
- installation variations_2_AR_AW.pdf